



Gamma correction nonlinearity

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All Results[C Poynton](#)[D Jobson](#)[C Creusere](#)[M Baring](#)[K Plataniotis](#)**Blind inverse gamma correction - group of 8 »**H Farid, C MIT - Image Processing, IEEE Transactions on, 2001 - [ieeexplore.ieee.org](#)... since **gamma correction** is a point-wise **non- linearity** and the ... Virtually any **nonlinearity**

will affect these correlations. ... FARID: BLIND INVERSE GAMMA CORRECTION ...

[Cited by 28](#) - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**'Gamma'and its Disguises: The Nonlinear Mappings of Intensity in Perception, CRTs, Film, and Video - group of 5 »**CA Poynton - SMPTE Journal, 1993 - [poynton.ca](#)... and in television sets are inher- ently **nonlinear** devices: the ... cor- rects for intensity **nonlinearity** at the ... If **gamma correction** were not already necessary for ...[Cited by 40](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)**Digital gamma correction system for low, medium and high intensity video signals, with linear and ... - group of 2 »**

DJ Hwung, JC Wang, DS Su - US Patent 5,473,373, 1995 - Google Patents

... The combined effect of **gamma correction** and CRT **non-linearity** results in a linearized system, as indicated in HG. 2C, and in Equation (3), as follows: ...[Cited by 18](#) - [Related Articles](#) - [Web Search](#)**Gamma correction circuit and method thereof**

US Patent 5,175,621, 1992 - Google Patents

... showing an embodiment of agamma **correction** circuit according ... the relationship betweenthe **gamma** coefficient γ ... block diagram showing a **nonlinear** quanti -zation ...[Cited by 14](#) - [Related Articles](#) - [Web Search](#)**Gamma correction circuit using analog multiplier - group of 2 »**

SY Yoon - US Patent 5,933,199, 1999 - Google Patents

... is D VQ ' which is at a **nonlinear** portion of ... there is provided a **gamma correction** circuit for making linear the **nonlinearity** electrooptic characteristics ...[Cited by 14](#) - [Related Articles](#) - [Web Search](#)**Gamma correction circuit, a liquid crystal driver, a method of displaying image, and a liquid ... - group of 3 »**

K Tanaka, M Oshiro, T Onodera, K Kishida, M ... - US Patent 5,764,216, 1998 - Google Patents

... second **nonlinear**, that is, the characteristic curve has moderate ... the the principle **gamma correction** circuit (a first **gamma** cor- ^ ...[Cited by 17](#) - [Related Articles](#) - [Web Search](#)**Dynamic gamma correction circuit for use in image projectors - group of 3 »**

JG Hagerman - US Patent 5,461,430, 1995 - Google Patents

... that implements a **nonlinear** transfer function (gain) that provides for **gamma correction** of **nonlinear** image projectors. The **nonlinearity** of the transferfunction ...[Cited by 10](#) - [Related Articles](#) - [Web Search](#)

Frequently Asked Questions about Gamma - group of 122 »

C Poynton - <ftp://ftp.inforamp.net/pub/users/poynton/doc/colour/> ... - dai.ed.ac.uk
... to intensity is effectively the inverse of a CRT's **nonlinearity**. ... 6. What is **gamma correction**? ... linear-light intensity is transformed to a **nonlinear** video signal ...
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Brightness control system for CRT video display - group of 2 »

JS Prince, HL Herz, EP Coleman Jr - US Patent 4,589,022, 1986 - Google Patents
... logarithms. The **gamma correction** amplifier is of the **nonlinear** type and drives a video driver amplifier to drive the CRT cathode. The ...
[Cited by 16](#) - [Related Articles](#) - [Web Search](#)

Gamma correction of digital video data by calculating linearly interpolated gamma correction values - group of 2 »

MA Kutner - US Patent 4,786,968, 1988 - Google Patents
... 2. Background Art $d=xx'=x-x y$. "Gamma Correction" is the **nonlinear** expansion or compression of video signals. This **correction** is often 15 ...
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